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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,492	11/26/2001	Hong M. Dang	100111622-2	3187

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER
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SHEIKH, ASFAND M

ART UNIT	PAPER NUMBER
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3627

MAIL DATE	DELIVERY MODE
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04/30/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/995,492	<b>Applicant(s)</b> DANG ET AL.	
	<b>Examiner</b> Asfand M. Sheikh	<b>Art Unit</b> 3627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 20-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

The amendment filed on 8/13/2007 has been entered. The examiner notes that claims 20-25 are pending for examination and further have been amended and claims 1-19 have been cancelled. The examiner establishes new grounds of rejection; therefore this action is made final.

***Response to Arguments***

Applicant's arguments with respect to claims 20-25 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 20-23 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gryglewicz et al. (US 6,993,052 B1) in view of Traversat et al. (US 2002/0147771 A1).

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Claim 20

Gryglewicz et al. teaches wherein the web-based tax service includes tax identification, tax computation, tax collection, tax remittance and tax reporting for audit servers (Gryglewicz et al., see at least, col. 5, lines 46-67; col. 6, lines 1-7; col. 8, lines 19-53).

Claim 21

Gryglewicz et al. discloses a plurality of servers (Gryglewicz et al., see at least, col. 5, lines 46-55) connected to the public network (Gryglewicz et al., see at least, col. 5, lines 46-55) for providing a public web-based tax service that allows merchant subscribers to accumulate tax information, wherein different functions of the tax service are performed by different servers (Gryglewicz et al., see at least, col. 5, lines 46-67; col. 6, lines 1-7; col. 8, lines 19-53); and means for providing security for information on the servers and information during transmission over the public network between the servers (Gryglewicz et al., see at least, col. 15, lines 12-18).

Gryglewicz et al. fails to specifically disclose the security means including managed firewalls for preventing

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unwanted data from being entered into the system while data is being transmitted between subscribers and the servers.

Traversat et al. discloses a peer group that can include a firewall handling and limited security (Traversat et al., see at least, [0082]) and the ability for firewalls to subdivide the network into secure regions without altering the physical network boundary (Traversat et al., see at least, [0128]: the examiner notes to represent the ability to manage a firewall (e.g. ability to subdivide the network)) and the firewall restricting entry into virtual private network unless authorized ((Traversat et al., see at least, [0440]: the examiner notes this to protect the data being transmitted within the firewall boundaries).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Gryglewicz et al. to include a firewall handling and limited security and the ability for firewalls to subdivide the network into secure regions without altering the physical network boundary and the firewall restricting entry into virtual private network unless authorized as taught by Traversat et al. One of ordinary skill in the art would have been motivated to combine the teachings in order to include a

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firewall that can handle limited security (Traversat et al., see at least, [0082])).

#### Claim 22

Gryglewicz et al. teaches further comprising means for providing balancing and scalability of the servers (Gryglewicz et al., see at least, col. 5, lines 46-67 and col. 6, lines 1-7).

#### Claim 23

Gryglewicz et al. discloses a plurality of servers (Gryglewicz et al., see at least, col. 5, lines 46-55) connected to the public network (Gryglewicz et al., see at least, col. 5, lines 46-55) for providing a public web-based tax service that allows merchant subscribers to accumulate tax information, wherein different functions of the tax service are performed by different servers (Gryglewicz et al., see at least, col. 5, lines 46-67; col. 6, lines 1-7; col. 8, lines 19-53); and means for providing security for information on the servers and information during transmission over the public network between the servers (Gryglewicz et al., see at least, col. 15, lines 12-18: the examiner notes when SSL is used with HTTP is creates HTTPS (a secured HTTP connection)).

Gryglewicz et al. fails to specifically disclose wherein the security means including a tiered architecture, PKI 2-way authentication and authorization, HTTPS post, with XML document and SSH for remote administration.

Traversat et al. discloses a tiered architecture comprising a firewall and computing devices (e.g. peers) (Traversat et al., see at least, FIG. 20: the examiner notes proxy, firewall, and peers to be the levels of a tiered architecture), PKI 2-way authentication and authorization (Traversat et al., see at least, [0034]), HTTPS post (Traversat et al., see at least, [0107] and [0442]: the examiner notes a HTTP tunnel is a secured form of HTTP communication), XML document (Traversat et al., see at least, [0033]: the examiner notes XML format and encoding), and SSH for remote administration (see at least, [0442]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Gryglewicz et al. to include wherein the security means including a tiered architecture, PKI 2-way authentication and authorization, HTTPS post, with XML document and SSH for remote administration as taught by Traversat et al. One of ordinary skill in the art would have been motivated to combine the teachings in order to include a devices that can

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enable the network to handle limited security (Traversat et al., see at least, [0082]).

Claim 25

Gryglewicz et al. teaches wherein the security means also provides security for information transmitted between the servers and the merchant subscribers (Gryglewicz et al., see at least, col. 15, lines 12-18).

Claim 24 rejected under 35 U.S.C. 103(a) as being unpatentable over Gryglewicz et al. (US 6,993,052 B1) in view of Traversat et al. (US 2002/0147771 A1) as applied to claim 21 above, and further in view of "Checking Your Server's Heartbeat" by Harry Breisford (hereinafter Breisford).

Claim 24

Gryglewicz et al. in view of Traversat et al. discloses all the claimed limitations except a means for recording the disk usage, access logging and heart beat monitoring.

Breisford teaches a system monitor feature which allows an administrator to check a systems heartbeat, including logs, reports, alerts and charts (see page 1, line 15). Breidford



further teaches these tools are used to take preventative care of a server (see page 6, line 14-15).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Gryglewicz et al. in view of Traversat et al. to include include a means for recording the disk usage, access logging and heart beat monitoring as taught by Breisford. One of ordinary skill in the art would have been motivated to combine the teachings in order take preventative care of the servers.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will

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expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asfand M. Sheikh whose telephone number is (571)272-1466. The examiner can normally be reached on M-F 8a-4:30p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ryan M. Zeender can be reached on (571) 272-6790. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Asfand M Sheikh/  
Examiner, Art Unit 3627

4/25/2008

/F. Ryan Zeender/

Supervisory Patent Examiner, Art Unit 3627